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RA	C1	Allen, et al., "Binding 49, pp. 12471-1247	g of Neutral Sul 2, September,	ostrates by Calix[4]pyrro 1996, American Chemic	oles," <i>J. Ai</i> cal Society	n. Chem. :	Soc., Vol. 118, No.
Ph	C2	Andreetti, G., "Cryst phenylene)methyler Society of Chemistr	ie]} Toluene (1:	ar Structure of Cyclo{qu 1) Clathrate," J.C.S. Cl	uater[(5-t-b nem. Comi	utyl-2-hyd m., 1005-1	roxy-1,3- 007, 1979, The Royal
R	C3	Asfari, et al., "Quick Letters, Vol. 34, No.	Synthesis of th. 4, pp. 627-628	ne First Double Porphyr 3, 1993, Elsevier Scienc	in Double e Ltd.	Calix[4]are	ene," Tetrahedron
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Rh	C5	Anionic Guest Spec Science Ltd.	ies," <i>Tetrahedr</i>	wer Rim Linked Bis-Cal on Letters, Vol. 36, No.	5, pp. 767	7-770, Jani	uary, 1995, Elsevier
140	C6	Beer, et al., "Anion J. Chem. Soc., Che	Recognition by m. Commun., 1	Novel Ruthenium(II) Bi 269-1271, 1994, The F	pyridyl Ca Royal Soci	ix[4]arene ety of Cher	Receptor Molecules," mistry.
R	C7	Molecules Including	a Novel Calix[Redox-Responsive Dit 4]arene Derivative That uly, 1995, American Ch	i Binds a C	icarboxyla	um Receptor ite Dianion,"
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RB	C14		ucts," <i>J. Russia</i>	"Process of condensat in Physical Chem. Soc. cal Society.			
A	C15			chemical polymerizatio ctroanalytical Chem., 3			
R	C 76	1		yrinogen skeleton: Acc norganic Chem., 35:24			•
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R	C18	Octaethylporphyrino	gen in Solution	ent Forms of Lithiated and in the Solid State 469, 1994, The Royal S	and Reacti	on with Te	
ER.	C19	complex: Carrier pro	perties of pola	hemistry of a titanium r organometallics and tober, 1995, American	their behav	ior in inser	
PL	C20	oxidized forms of pol cobalt (II)-meso-octa	phyrinogen oth ethylporphyrin	al-meso-octaethylporph ner than porhyrins. 2. ogen complexes occur em. Soc., 116:5702-57	The redox ring with th	chemistry e formation	of iron (II)- and n and cleavage of
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ps	C23	Dietrich, et al., "Macr Verlagsgesellschaft.	ocyclic Chemis	stry", VCH, New York, p	o. 82 and p	. 160, 199	3, VCH
fo {	C24	functioning with the r	eversible forma	ure prospects of artificia ation and cleavage of c sche Chemische Gesel	yclopropar		
R	C25			rphyrin relationship: the The Royal Society of C		of artificia	l porphyrins," Chem
24	C26		nolecule modific	lexes as bifunctional ca cations and to hydrocal ackwell Science Ltd.			
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126	C28	Commun., pp. 665-6	66, 1997, The	substitution and tunab Royal Society of Chem	istry.		
A	C29	Gale, et al., "Calix[4] 21, pp. 5140-5141,	pyrroles: Old Y January, 1996,	et New Anion-binding A American Chemical So	Agents," J.	Am. Cher	n. Soc., Vol. 118, No.
	C30	Gale, et al., "Calixpro Chemistry, Universit unknown.	roles: old yet ne y of British Col	ew anion binding agent umbia, Vancouver, Car	s," 31 st Int' nada, Augu	<i>I Conf. on</i> ist 18, 199	Coordination 6, publisher
H	C31	Gale, et al., "New Ap Annual General Mtg of Chemistry.	oplications for C ., University of	Calixpyrroles," Royal So Wales, Cardiff, Wales,	u.K., Dece	U.K. Macro ember 18,	ocycles Group 1996, Royal Society
A	C32	Gale, et al., "Synthe Tetrahedron Letters	sis of a New Cy , Vol. 37, No. 4	/lindrical Calix[4]arene- 4, pp. 7881-7884, Sept	Calix[4]pyrember, 19	rrole Pseu 96, Elsevie	do Dimer," er Sciences Ltd.
Ro	C33	Ghidini, <i>et al.,</i> "Com Calix[4]arene Crowr 1]2:6979-6985, 199	Ethers: A Qua	ai Metal Cations by Co Intitative Evaluation of F Demical Society.	nformation Preorganiz	ally Rigid, ation," J. A	Stereoisomeric Am. Chem. Soc.,
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9	C34	puckered tetrapyrro	olic macrocycle f	trakis(3,5-di-t-butyl-4-qu from the facile aerial ox 751-1753, 1989, The F	idation of a	phenolic	porphyrin," J. (y Chem.	
R	C35	Isoz, et al., "Niobiu macrocycles," Orga	m-carbon function metallics, 15	onalities supported by n , 337-344, January, 199	neso-octae 96, Americ	ethylporph an Chemic	yrinogen and d cal Society.	erived	_
Ah	C36	-alkyl, and -allyl de	rivatives of meso	of organometallic func o-octaethylporphyrinogo ctober, 1995, American	en and the	ir reaction	tal-zirconium-h with isocyanid	ydrido es,"	•
R	C37	and applied to the	functionalization	ion of aliphatic C-H bon of the porphyrinogen p rican Chemical Society	eriphery,"	ed by zirco J. Amer. C	onium hydride e Chem. Soc.,	entities	i
R	C38	controlled mono- a	nd bis-homologa	ation using organometation reactions of porph Chem. Soc., 117:2793	yrinogen w	vith carbon	i monoxide ass	isted	
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R	C39	Jacoby, et al., "meso unsaturated metal co Society of Chemistry	entres," <i>J. Chei</i>	orphyrinogen metal com n. Soc., Chemical Com	iplexes: a imunicatio	n entry to l	high vale 2, 1991,	nt The R	oyal	· —
R	C40	the X-ray Structure	of a <i>meso</i> -Octa hyrinogen Ligar	g Modes of <i>meso-</i> Octa ethylporphyrinogen-Ziro nd," <i>J. Chem. Soc.,</i> Che	conium (IV) Complex	and of th	e Pare	ent	
Al.	C41	Jacoby, et al., "Zirco Zirconium-sodium bi American Chemical	imetallic hydridd	aethylporphyrinogen as e and alkyls," J. Am. Cl	s a carrier nem. Soc.,	for sodium 115:3595	hydride -3602, 19	in tolu 193,	ene:	
H	C42	Jones, R.L. and Res pyrroles with dichlor	es, C.W., "Mechocarbene," <i>J. C</i>	nanism of heterocyclic r Chem. Soc., 2249-2251	ing expan 1969, Th	sions. Par e Royal So	t III. Rea	ction o	of stry.	
H	C43	Jones, R.L. and Rec imidazole, pyrazole Royal Society of Ch	and 1,2,4-triazo	nanism of heterocyclic role with dichlorocarbene	ing expan e," <i>J. Cher</i>	sions. Par n. Soc., 22	t IV. Rea	action 1969	of an , The	_
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ps	C46	Jubb, <i>et al.</i> , "Redox cyclopropane ring,"	chemistry of <i>m</i> J. Am. Chem. S	eso-oclaetylporphyinog Soc., 114:6571-6573, 1	gen: Form 992, Amer	ation and o	opening of a nical Society.
H	C47	Jubb, et al., "Lithium Which Display α- an Chemical Society.	-Transition Me d π- Bonding M	tal Complexes Derived Modes," Inorganic Chen	from meso 1., 31:1306	o-Octaethy i-1308, 199	Iporphyrinogen 92, American
R	C48	Solvatochromic Para	ameters, π^* , α .	ergy Relationships. 23. and β, and Some Meth Chem., 48:2877-2887,	ods for Sir	nplifying th	e Generalized
U;	C49	Kobayashi, et al., "A Inorganica Chimica	, 'calix[4]arened Acta, 224:1-3,	d' porphyrin as a new h 1994, Elsevier Science	ost and an , Ltd.	oxygen ca	arrier model,"
A	C50	Kursanov, N.I., "Cycl Chein. Soc., 48:1172	ehexyl phenyl 6 2-1174, 1916, C	ether and its isomerization its isomerization in the communication is seen in the communication in the communication in the communication is seen in the communication in the communication in the communication is seen in the communication in the c	on to cyclo American	hexylpheno Chemical	ol," <i>J. Russ. Phys.</i> Society.
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e	C52			orphyrinogen mit 1,8-Di H Verlagsgesellschaft.	phenylanth	racen-Brü	icke," Liebigs Ann.
26	C53	Morzherin, et al., "C Selectivity for Hydr	Chlorosulfonylate ogen Sulfate," J	ed Calix[4]arenes: Prec . Org. Chem., 58:7602-	ursors for 7605, 1993	Neutral An 3, America	ion Receptors with a n Chemical Society.
RI	C54	Nagasaki, et al., "C Capped Porphyrin Society of Japan.	alix[4]arene-Ca with Regular C₄	pped Tetraphenylporph Symmetry," Chem. Lett	yrin: Synth ters, pp. 98	etic Appro 39-992, 19	ach to a Chiral 94, The Chemical
PA	C55	Nagasaki, et al., "D calixarene-porphyr Society of Chemist	in coupling," J. (esis of a C ₄ -symmetrical Chem. Soc. Perkin Tran	al hard-sof s., 1:1883-	t ditopic m -1888, Aug	etal receptor by gust, 1995, Royal
R	C56	Pappalardo, et al., Tetrahedron Letter	"Novel 1,2-Bridg s,Vol. 37, No. 22	ped Calix[4]crowns in th 2, pp. 3907-3910, May,	e 1,2-Alter 1996, Else	nate Confe vier Scien	ormation," ces Ltd.
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C58	Dealkylation Process	s: Formation of	$[RuL(PhCN)_2][H_2L=5,1]$	5-dihydro-	5,5,10,15,	15,20-
C59	Rees, C.W. and Smi reaction of 2,3-dimet of Chemistry.	then, C.E., "Th	e mechanism of hetero dichlorocarbene," <i>J. Ch</i>	cyclic ring em. Soc.,	expansior 928-937, 1	ns. Part I. The 1964, Royal Society
C60	Rees, C.W. and Smi reaction of methylino Chemistry.	then, C.E., "Th loles with halog	e mechanism of hetero genocarbenes," J. Che	cyclic ring m. Soc., 9	expansior 38-945, 19	ns. Part II. The 164, Royal Society of
C61	"Removal and recover pendant liganda," Internal	very of toxic meternet, Posted (etal ions from aqueous October 10, 1995, publi	waste stre	ams by uti own.	lization of polymer
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